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PATENT APPLICATION



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Docket No: Q86826

Mitsushi ITANO, et al.

Appln. No.: 10/527,202

Group Art Unit: Not Yet Assigned

Confirmation No.: Not Yet Assigned

Examiner: Not Yet Assigned

Filed: March 10, 2005

For: ETCHING SOLUTION AND ETCHING METHOD

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 C.F.R. §§ 1.97 and 1.98**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

One copy of each of the listed documents is submitted herewith, along with a copy of the corresponding Communication from a Foreign Patent Office (International Search Report for PCT/JP03/09848 dated November 11, 2003), except for the following: U.S. patents and/or U.S. patent publications; and co-pending non-provisional U.S. applications filed after June 30, 2003.

The present Information Disclosure Statement is being filed: (1) No later than three months from the application's filing date; (2) Before the mailing date of the first Office Action on the merits (whichever is later); or (3) Before the mailing date of the first Office Action after filing a request for continued examination (RCE) under §1.114, and therefore, no Statement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

INFORMATION DISCLOSURE STATEMENT  
U.S. Appln. No.: 10/527,202

Q86826

JP 2003-234325, JP 2003-273068, JP 2003-273066, JP 2003-257952 and JP 8-220771 were cited in the International Search Report for PCT/JP03/09848 dated November 11, 2003, 2005, copy attached.

In compliance with the concise explanation requirement under 37C.F.R. §1.98(a)(3) for foreign language documents, Applicant submits attaches an English language Abstract for JP 2003-234325, JP 2003-273068, JP 2003-273066, JP 2003-257952 and JP 8-220771 and states that U.S. Patent No. 6,667,246 B2 corresponds to JP 2003-234325 and U.S. Patent Application Publication No. 2003/0176078 A corresponds to JP 8-220771.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account. A duplicate copy of this paper is attached.

Respectfully submitted,



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WASHINGTON OFFICE  
23373  
CUSTOMER NUMBER

Date: June 8, 2005

Substitute for Form 1449 A & B/PTO				Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Application Number	10/527,202
				Confirmation Number	Not Yet Assigned
				Filing Date	March 10, 2005
				First Named Inventor	Mitsushi ITANO
				Art Unit	Not Yet Assigned
				Examiner Name	Not Yet Assigned
Sheet	1	of	1	Attorney Docket Number	Q86826

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code <sup>2</sup> (if known)		
		US 2003/0176078	A1	09-18-2003	OSAWA et al.
		US 6,667,246	B2	12-23-2003	MITSUHASHI et al.
		US			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>			
		JP	2003-234325	08-22-2003	MATSUSHITA DENKI SANGYO KK; MATSUSHITA ELECTRIC IND CO LTD	Abstract
		JP	2003-273068	09-26-2003	DAINIPPON SCREEN SEIZO KK	Abstract
		JP	2003-273066	09-26-2003	DAINIPPON SCREEN SEIZO KK; DAINIPPON SCREEN MFG CO LTD	Abstract
		JP	2003-257952	09-12-2003	FINE POLYMERS KK; KISHIMOTO SANGYO CO	Abstract
		JP	8-220771	08-30-1996	DAINIPPON PRINTING CO LTD	Abstract

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.			Translation <sup>6</sup>
		P.S. Lysaght et al., "Experimental Observations of the Thermal Stability of High-k Gate Dielectric Materials on Silicon"; Journal of Non-Crystalline Solids; 303 (2002); pp. 54-63			
		H.R. Huff et al., "Integration of High-K Gate Stack Systems Into Planar CMOS Process Flows"; IWGI 2001; pp. 1-6			
		M. Itano et al., "Selective and Non-selective Wet Etching by Low-relative Dielectric Constant Solvent Containing Fluorine Compound"; Wafer Clean & Surface Prep Workshop 2002; International Sematech; May 21-22, 2002			

Examiner Signature		Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or in the comment box of this document. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to indicate here if English language Translation is attached.